SEQUENCE LISTING

<110> Palmer, Michelle A.J.
      Gee, Melissa
      Tillotson, Bonnie
      Chang, Xiao-Jia

<120> Receptor Function Assay for G-Protein Coupled Receptors and Orphan
      Receptors by Reporter Enzyme Mutant Complementation

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Ile Thr Val Asn Pro Pro Phe Val Pro Thr Glu Asn Pro Thr Gly Cys
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aac ggg cgc tgg gtc ggt tac ggc cag gac agt cgt ttg ccg tct gaa  1876
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Trp Arg Met Ser Gly Ile Phe Arg Asp Val Ser Leu Leu His Lys Pro
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act aca caa atc agc gat ttc cat gtt gcc act cgc ttt aat gat gat  2068
Thr Thr Gln Ile Ser Asp Phe His Val Ala Thr Arg Phe Asn Asp Asp
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Phe Ser Arg Ala Val Leu Glu Ala Glu Val Gln Met Cys Gly Glu Leu
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cgt gac tac cta cgg gta aca gtt tct tta tgg cag ggt gaa acg cag  2164
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Gly Gly Tyr Ala Asp Arg Val Thr Leu Arg Leu Asn Val Glu Asn Pro
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aaa ctg tgg agc gcc gaa atc ccg aat ctc tat cgt gcg gtg gtt gaa        2308
Lys Leu Trp Ser Ala Glu Ile Pro Asn Leu Tyr Arg Ala Val Val Glu
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ctg cac acc gcc gac ggc acg ctg att gaa gca gaa gcc tgc gat gtc        2356
Leu His Thr Ala Asp Gly Thr Leu Ile Glu Ala Glu Ala Cys Asp Val
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aag ccg ttg ctg att cga ggc gtt aac cgt cac gag cat cat cct ctg        2452
Lys Pro Leu Leu Ile Arg Gly Val Asn Arg His Glu His His Pro Leu
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cat ggt cag gtc atg gat gag cag acg atg gtg cag gat atc ctg ctg        2500
His Gly Gln Val Met Asp Glu Gln Thr Met Val Gln Asp Ile Leu Leu
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atg aag cag aac aac ttt aac gcc gtg cgc tgt tcg cat tat ccg aac        2548
Met Lys Gln Asn Asn Phe Asn Ala Val Arg Cys Ser His Tyr Pro Asn
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cat ccg ctg tgg tac acg ctg tgc gac cgc tac ggc ctg tat gtg gtg        2596
His Pro Leu Trp Tyr Thr Leu Cys Asp Arg Tyr Gly Leu Tyr Val Val
365                 370                 375                 380

gat gaa gcc aat att gaa acc cac ggc atg gtg cca atg aat cgt ctg        2644
Asp Glu Ala Asn Ile Glu Thr His Gly Met Val Pro Met Asn Arg Leu
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acc gat gat ccg cgc tgg cta ccg gcg atg agc gaa cgc gta acg cga        2692
Thr Asp Asp Pro Arg Trp Leu Pro Ala Met Ser Glu Arg Val Thr Arg
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Met Val Gln Arg Asp Arg Asn His Pro Ser Val Ile Ile Trp Ser Leu
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ggg aat gaa tca ggc cac ggc gct aat cac gac gcg ctg tat cgc tgg        2788
Gly Asn Glu Ser Gly His Gly Ala Asn His Asp Ala Leu Tyr Arg Trp
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Ile Lys Ser Val Asp Pro Ser Arg Pro Val Gln Tyr Glu Gly Gly Gly
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tgg ctt tcg cta cct gga gag acg cgc ccg ctg atc ctt tgc gaa tac      2980
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gcc cac gcg atg ggt aac agt ctt ggc ggt ttc gct aaa tac tgg cag      3028
Ala His Ala Met Gly Asn Ser Leu Gly Gly Phe Ala Lys Tyr Trp Gln
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gcg ttt cgt cag tat ccc cgt tta cag ggc ggc ttc gtc tgg gac tgg      3076
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Val Asp Gln Ser Leu Ile Lys Tyr Asp Glu Asn Gly Asn Pro Trp Ser
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gct tac ggc ggt gat ttt ggc gat acg ccg aac gat cgc cag ttc tgt      3172
Ala Tyr Gly Gly Asp Phe Gly Asp Thr Pro Asn Asp Arg Gln Phe Cys
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atg aac ggt ctg gtc ttt gcc gac cgc acg ccg cat cca gcg ctg acg      3220
Met Asn Gly Leu Val Phe Ala Asp Arg Thr Pro His Pro Ala Leu Thr
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gaa gca aaa cac cag cag cag ttt ttc cag ttc cgt tta tcc ggg caa      3268
Glu Ala Lys His Gln Gln Gln Phe Phe Gln Phe Arg Leu Ser Gly Gln
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acc atc gaa gtg acc agc gaa tac ctg ttc cgt cat agc gat aac gag      3316
Thr Ile Glu Val Thr Ser Glu Tyr Leu Phe Arg His Ser Asp Asn Glu
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ctc ctg cac tgg atg gtg gcg ctg gat ggt aag ccg ctg gca agc ggt      3364
Leu Leu His Trp Met Val Ala Leu Asp Gly Lys Pro Leu Ala Ser Gly
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gaa gtg cct ctg gat gtc gct cca caa ggt aaa cag ttg att gaa ctg      3412
Glu Val Pro Leu Asp Val Ala Pro Gln Gly Lys Gln Leu Ile Glu Leu
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cct gaa cta ccg cag ccg gag agc gcc ggg caa ctc tgg ctc aca gta      3460
Pro Glu Leu Pro Gln Pro Glu Ser Ala Gly Gln Leu Trp Leu Thr Val
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cgc gta gtg caa ccg aac gcg acc gca tgg tca gaa gcc ggg cac atc      3508
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ggc ttt ctt tca cag atg tgg att ggc gat aaa aaa caa ctg ctg acg      3700
Gly Phe Leu Ser Gln Met Trp Ile Gly Asp Lys Lys Gln Leu Leu Thr
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ccg ctg cgc gat cag ttc acc cgt gca ccg ctg gat aac gac att ggc      3748
Pro Leu Arg Asp Gln Phe Thr Arg Ala Pro Leu Asp Asn Asp Ile Gly
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gta agt gaa gcg acc cgc att gac cct aac gcc tgg gtc gaa cgc tgg      3796
Val Ser Glu Ala Thr Arg Ile Asp Pro Asn Ala Trp Val Glu Arg Trp
765                 770                 775                 780

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cag cat cag ggg aaa acc tta ttt atc agc cgg aaa acc tac cgg att      3940
Gln His Gln Gly Lys Thr Leu Phe Ile Ser Arg Lys Thr Tyr Arg Ile
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gat ggt agt ggt caa atg gcg att acc gtt gat gtt gaa gtg gcg agc      3988
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gat aca ccg cat ccg gcg cgg att ggc ctg aac tgc cag ctg gcg cag      4036
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Ser Asp Met Tyr Thr Pro Tyr Val Phe Pro Ser Glu Asn Gly Leu Arg
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Cys Gly Thr Arg Glu Leu Asn Tyr Gly Pro His Gln Trp Arg Gly Asp
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His His His His His Arg
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Pro Pro Phe Val Pro Thr Glu Asn Pro Thr Gly Cys Tyr Ser Leu Thr
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Phe Asp Gly Val Asn Ser Ala Phe His Leu Trp Cys Asn Gly Arg Trp
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Gly Ile Phe Arg Asp Val Ser Leu Leu His Lys Pro Thr Thr Gln Ile
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Ser Asp Phe His Val Ala Thr Arg Phe Asn Asp Asp Phe Ser Arg Ala
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Ala Glu Ile Pro Asn Leu Tyr Arg Ala Val Val Glu Leu His Thr Ala
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Asp Gly Thr Leu Ile Glu Ala Glu Ala Cys Asp Val Gly Phe Arg Glu
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Val Arg Ile Glu Asn Gly Leu Leu Leu Leu Asn Gly Lys Pro Leu Leu
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Ile Arg Gly Val Asn Arg His Glu His His Pro Leu His Gly Gln Val
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